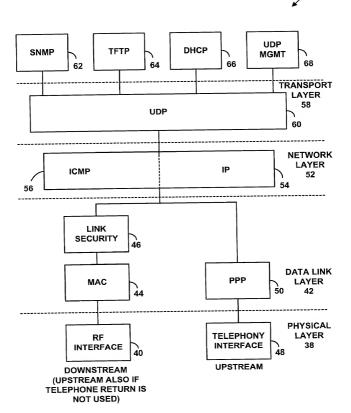


FIGURE 1

OF CABLE

FIGURE 2

36



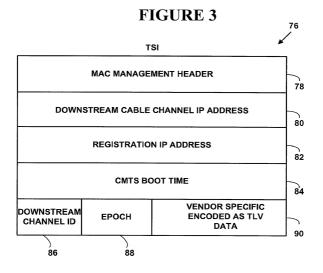
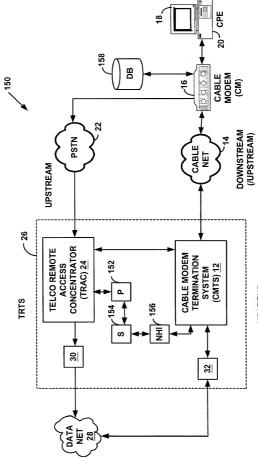


FIGURE 4 92 1 HTYPE HLEN OP HOPS 94 96 98 100 XID 102 SECS **FLAGS** 104 106 CIADDR 108 YIADDR 110 SIADDR 112 **GIADDR** 114 CHADDR 116 SNAME 118 FILE 120 **OPTIONS**

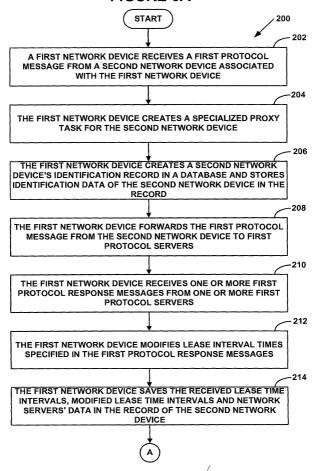
122

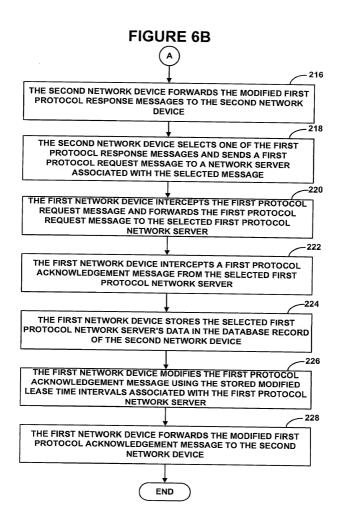
FIGURE 5



HEADEND OF CABLE NETWORK

FIGURE 6A





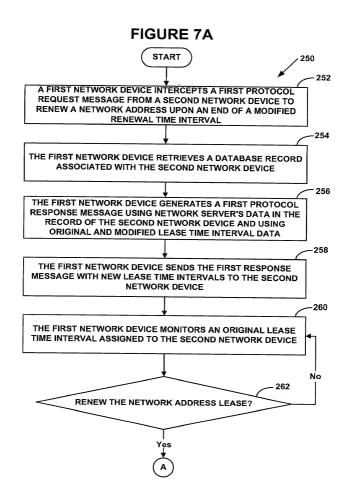


FIGURE 7B 264 THE FIRST NETWORK DEVICE GENERATES A FIRST PROTOCOL REQUEST MESSAGE USING NETWORK SERVER'S DATA AND SECOND NETWORK DEVICE'S DATA IN THE DATABASE RECORD OF THE SECOND NETWORK DEVICE - 266 THE FIRST NETWORK DEVICE SENDS THE FIRST PROTOCOL REQUEST MESSAGE TO THE NETWORK SERVER SPECIFIED IN THE RECORD OF THE SECOND NETWORK DEVICE - 268 LEASE RENEWED? Yes No 270 THE FIRST NETWORK DEVICE RESENDS THE FIRST PROTOCOL REQUEST MESSAGE -272 THE FIRST NETWORK DEVICE UPDATES THE DATABASE RECORD OF THE SECOND NETWORK DEVICE 274 THE FIRST NETWORK DEVICE INTERCEPTS A FIRST PROTOCOL LEASE RENEWAL REQUEST MESSAGE FROM THE SECOND NETWORK DEVICE -276 THE FIRST NETWORK DEVICE USES THE DATA FROM THE UPDATED SECOND NETWORK DEVICE'S RECORD TO GENERATE A RESPONSE MESSAGE - 278 THE FIRST NETWORK DEVICE SENDS THE GENERATED RESPONSE MESSAGE TO THE SECOND NETWORK DEVICE **END**

FIGURE 8A

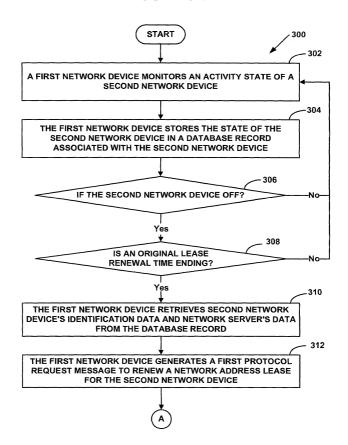


FIGURE 8B

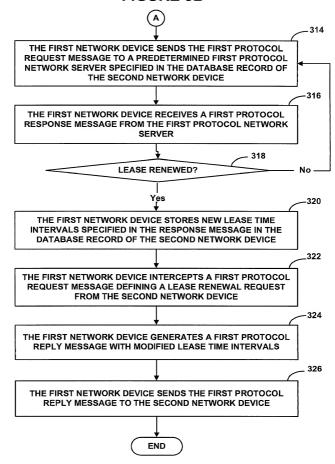


FIGURE 9

